

8115

```
<!ELEMENT Service CompInfo public_key, (storage_id_info)*,(element_service)+,
      (storage info)*>
<!ELEMENT public_key, EMPTY>
<!ELEMENT element_service (content_group)+, (storage_id_info)*>
<!ELEMENT content_group (storage_id_info)*>
<!ELEMENT storage id info EMPTY>
<!ELEMENT storage info (ird level list)*>
<!ELEMENT ird level list (storage id list)*>
<IATTLIST ServiceCompInfo
info major version
                          PCDATA #REQUIRED
                          PCDATA #REQUIRED
info_minor_version
                          ID NUM #REQUIRED
information provider id
information provider_name
                          CDATA #REQUIRED
                                    #REQUIRED
information provider char
                          CDATA
                          PCDATA #REQUIRED
work area size
                          ID NUM #REQUIRED
first bml
>
<!ATTLIST public_key
                      PCDATA #REQUIRED
version
                      PCDATA #REQUIRED
kev
                                #REQUIRED
limit
                      DATE
<IATTLIST element service
                      ID NUM #REQUIRED
element service id
element_service name CDATA
                                #IMPLIED
element_service_char
                     CDATA
                                #IMPLIED
                      ID NUM #IMPLIED
first bml
                      (ON/OFF) OFF
schedule info
<!ATTLIST content_group
content group id
                      ID NUM #REQUIRED
                      CDATA #REQUIRED
content group name
                                #REQUIRED
content group char
                      CDATA
                      ID NUM #IMPLIED
first bml
 <!ATTLIST storage id info
                              #REQUIRED
storage id
                 ID-NUM
 <!ATTLIST ird level list
                       PCDATA #REQUIRED
ird level
 <!ATTLIST storage_id_list
                       ID NUM
                                   #REQUIRED
 storage id
                      (0/1/2/3/4)0
 storage_policy
 exclusive storage av
                      PCDATA #REQUIRED
 exclusive_storage_data PCDATA #REQUIRED
```

```
<!ELEMENT ScheduleInfo (content_info)*, (next_schedule)*>
<!ELEMENT content info (schedule)+, (filtering_pattern)+>
<!ELEMENT schedule list (schedule)+>
<!ELEMENT next schedule (schedule)+>
<IATTLIST ScheduleInfo
                         PCDATA #REQUIRED
info_major_version
                         PCDATA #REQUIRED
info minor version
                                 #REQUIRED
information provider_id ID_NUM
element service id
                    ID NUM
                                 #REQUIRED
< ATTLIST content info
                                 #REQUIRED
                    ID NUM
element content id
                                      #RFQUIRED
                           PCDATA
content major version
                                      #REQUIRED
                           PCDATA
content minor version
                   (STREAM/FILE) #IMPLIED
data type
                   CDATA #IMPLIED
content size
<!ATTLIST schedule list
transport_stream_id
                     ID NUM
                                 #REQUIRED
                     ID NUM
                                 #REQUIRED
original network id
                     ID NUM
                                 #REQUIRED
service id
<IATTLIST schedule
                           #REQUIRED
                 DATE
start time
                 PCDATA #REQUIRED
duration
<!ATTLIST filtering_pattern
                 (1/2)
                           #REQUIRED
 laver
def version
                 PCDATA #REQUIRED
 fieldID
                 ID NUM #REQUIRED
                 PCDATA #REQUIRED
 info version
pattern
                 CDATA
                           #REQUIRED
 <!ATTLIST next schedule
                     ID NUM
                                  #REQUIRED
 transport stream id
                      ID NUM
                                  #REQUIRED
 original_network_id
                                  #REQUIRED
                     ID NUM
 service id
```

### COMMON CONTENT INFORMATION

```
<!ELEMENT CommonInfo (comp info+)>
<!ELEMENT comp info (comp content+)>
<!ELEMENT comp content EMPTY>
<!ATTLIST commonInfo
information_provider_id ID_NUM #REQUIRED
           (0/1/2/3/4) #REQUIRED
service type
ID NUM #REQUIRED
content group id
storage id
                 ID NUM #IMPLIED
major version
               PCDATA #REQUIRED
               PCDATA #REQUIRED
minor version
               DATE
                        #IMPLIED
activation time
expire time
               DATE
                        #REQUIRED
               (0/1) 0
expire_policy
<!ATTLIST comp_info
               PCDATA
                        #REQUIRED
ird level
limit
               DATE
                        #REQUIRED
>
<!ATTLIST comp_content
element content id ID NUM #REQUIRED
               (ON/OFF) OFF
necessary
```

#### PRIVATE CONTENT INFORMATION

```
<!ELEMENT PrivateInfo (ird level list)* (filtering_pattern)*>
<!ELEMENT ird_level_list (ird_level_info)+>
<!ELEMENT ird_level_info EMPTY>
<IATTLIST PrivateInfo
element content_id
                  ID NUM #REQUIRED
content_major_version PCDATA #REQUIRED
content_minor_version PCDATA #REQUIRED
first bml flag
                      (yes/no) no
                             #IMPLIED
activation time
                    DATE
expire_time
                              #IMPLIED
                    DATE
expire policy
                   (0/1)0
                   (STREAM/FILE) #IMPLIED
data type
                   CDATA #IMPLIED
content size
<!ATTLIST ird level info
                    PCDATA #REQUIRED
ird level
<!ATTLIST filtering pattern
                                          #REQUIRED
                    (primary/secondary)
filter_type
                    PCDATA #REQUIRED
def version
FieldID
                    ID NUM #REQUIRED
                    PCDATA #REQUIRED
info version
                              #REQUIRED
pattern
                    CDATA
```

FIG. 7

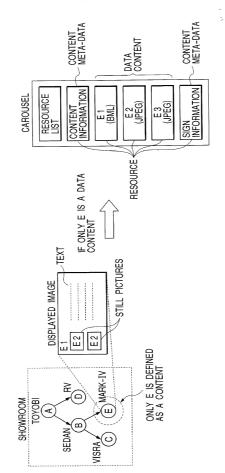


FIG. 8

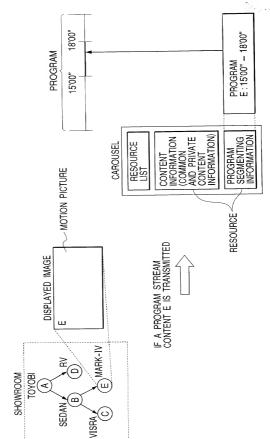


FIG. 9

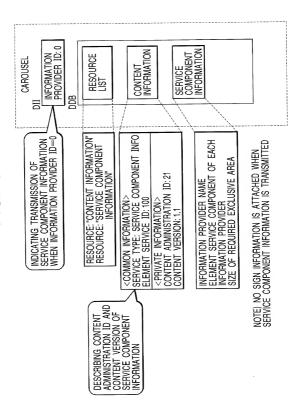
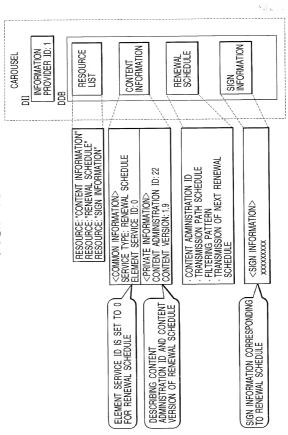
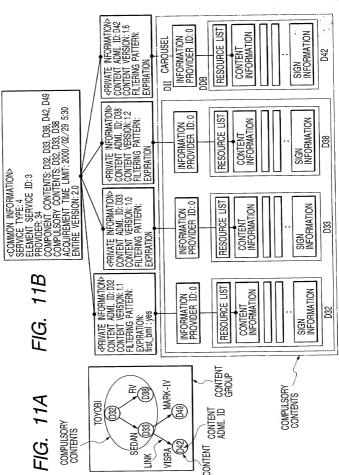


FIG. 10





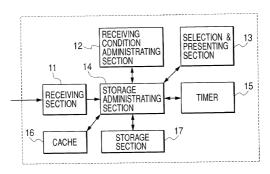
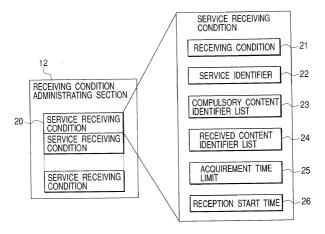


FIG. 13



INFORMATION

INFORMATION

ò

<PRIVATE INFORMATION>
CONTENT ADMI. ID: F SERVICE ID:3 PROVIDER:34 COMPLONENT:A, B, C, D, E, F ACQUIREMENT TIME LIMIT: 2000/02/29 5:30 CAROUSEI NFORMATION RESOURCE LIST filtering\_pattern: EXPIRATION: CONTENT first bml: no FIG. 14C <COMMON INFORMATION> <PRIVATE INFORMATION>
CONTENT ADMI. ID: D CAROUSEL INFORMATION RESOURCE LIST CONTENT filtering pattern: EXPIRATION: first\_bml:no FIG. 14B ⋖ (O FIG. 14A ш Ш ⋖ m ်ပ

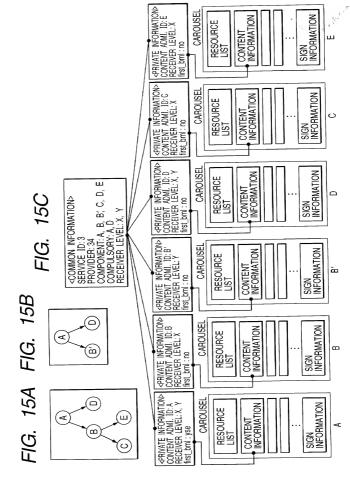


FIG. 16

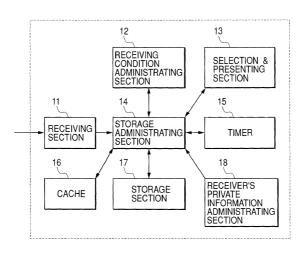
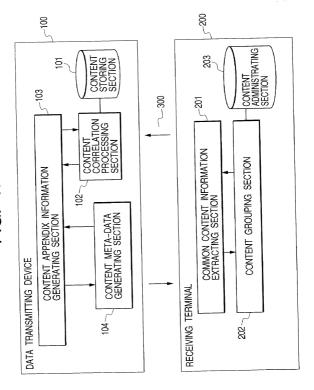


FIG. 17



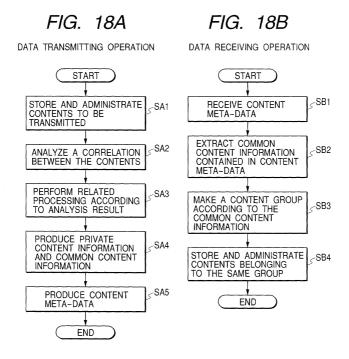


FIG. 19

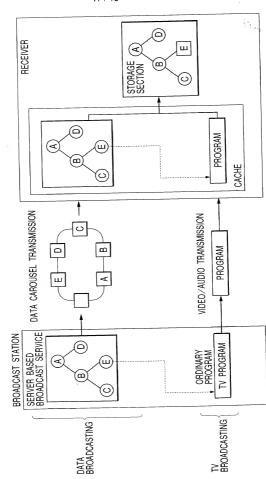


FIG. 20A

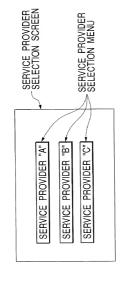


FIG. 20B

